BIBLIOGRAPHICAL NOTES .-- IV.

BY SAMUEL HENSHAW.

MINOR ENTOMOLOGICAL PUBLICATIONS.--GARDEN AND FOREST, Vol. I (1888), contains the following notes and articles : --

- Packard, A. S. Arsenical poison in the orchard. p. 9.
- Packard, A. S. The red mite [*Tetranychus telarius*] on verbenas. p. 20, fig.
- Editorial. [Futility of plugging trees with nostrums.] p. 51.
- Packard, A. S. Certain cone-eating insects [*Pinipestis veniculella*, *Dryocoetes affaber*.] p. 100-101, f. 18-21.
- Osborn, Herbert. The banded hickory borer. [Chion cinctus.] p. 148-149, f. 26-28
- Anon. Arsenical poisons on elm trees. p. 151.
- Farlow, W. G. Fungus diseases of insects. [Review of Thaxter's Entomophthoreae.] p. 159.
- Packard, A. S. The work of a timber beetle. [Monohammus confusor.] p. 172.
- Anon. Cut-worms. [Agrotidae.] p. 177.
- Pearson, A. W. Vineyard notes from southern New Jersey. [Ravages and means against *Macrodactylus subspinosus.*] p. 256-257.
- Weed, C. M. Whitewash for rose beetles. [Macrodactylus subspinosus.] p. 307.
- Anon. [Triphleps insidiosus injuring chrysanthemums.] p. 312.
- Editorial. [Ravages of Orgyia leucostigma.] p. 314.
- Anon. Packard's Entomology for beginners. [Review.] p. 407-408.
- M., E. and Editor. Destruction of ants. p. 442-443.
- Jack, J. G. The red mite [*Tetranychus telarius*] on trees. p. 459-460.
- Vol. II (1889) contains the following :--
- Divers, W. H. How we rid our vines of the mealy bug. [Pulvinaria innumerabilis.] p. 222.

- Packard, A. S. Boring beetles [Teretrius americanus] in the ash finish of a chapel. p. 254-255, f. 108.
- Smith, J. B. The imported elin leaf beetle, Galeruca xanthomelaena Schr. p. 292.
- Smith, J. B. Cut-worms. [Agrotidae.] p. 328.
- Smith, J. B. The white pine weevil. Pissodcs strobi Peck. p. 378, fig.
- Hoskins, T. H. Insects and manure p. 392-393-
- Jack, J. G. The asparagus beetle. [Crioceris asparagi.] p. 399-400.
- K., W. and Editor. The asparagus beetle. [Crioceris asparagi.] p. 430.
- Smith, J. B. The periodical Cicada. [Tibicen septendecim.] p. 436.
- Taplin, W. H. Roses and the larvae of the June-bug. [Lachnosterna sp.] p. 453.
- Jack, J. G. A new enemy [Gossyparia ulmi] of the elm. p. 461, f. 129.
- Hoskins, T. H. and Editor. Notes from a northern garden. [Ravages of Thripidae, *Trypeta pomonella*.] p. 476-477.
- Jack, J. G. A destructive cornel sawfly. Harpiphorus varianus Norton. p. 520-521, f. 138.
- Williams, E. Trypeta pomonella in New Jersey. p. 527.
- Quis. Ocneria dispar. p. 562.
- Jack, J. G. A tulip tree leaf destroyer. Cecidomyia liriodendri. p. 604-605, f. 152.
- Anon. [Wheat sawfly, Cephus pygmaeus.] p. 612.

MISCELLANEOUS NOTES.— Dr. Carl Berg has left Montivideo and returned to Buenos Aires, where he has been given the directorship of the National museum in the place of the late Dr. Burmeister.

Mr. W. L. Distant has again left England for South Africa where his address will be at Pretoria, Transvaal.

The plates in the present number of Psyche illustrate Dr. Holland's article on West African moths and will be explained at the conclusion of his paper in the next number.

PSYCHE.

[November 1893.

THE SEVENTH VOLUME OF PSYCHE

Begins in January, 1894, and continues through three years. The subscription price (payable in advance) is \$5.00 per volume, or \$2.00 per year, postpaid. The numbers will be issued, as in Vol. 6, on the first day of every month and will contain at least 12 pages each. No more than this was promised for the sixth volume, but the numbers have actually averaged more than 16 pages, and in addition 21 plates have been given and more than 50 other illustrations. We prefer to let performance outrun promise, but when a larger subscription list warrants it, we shall definitely increase the number of pages.

Vols. 1-6, Complete, Unbound, - Now sold for \$29.00. Vols. 1-6, and Subscription to Volume 7, - - \$33.00.

FUST PUBLISHED.

Scudder's Brief Guide to the Commoner Butterflies.

By SAMUEL H. SCUDDER, author of "Butterflies of the Eastern United States and Canada," etc. xi + 206 pp. 12mo. \$1.25.

An introduction, for the young student, to the names and something of the relationship and lives of our commoner butterflies. The author has selected for treatment the butterflies, less than one hundred in number, which would be almost surely met with by an in-dustrious collector in a course of a year's or two year's work in our Northern States east of the Great Plains, and in Canada. While all the apparatus necessary to identify these butterflies, in their earlier as well as perfect stage, is supplied, it is far from the author's purpose to treat them as if they were so many mere postage-stamps to be classified and ar-ranged in a cabinet. He has accordingly added to the descriptions of the different species, their most obvious stages, some of the curious facts concerning their periodicity and their habits of life. A short introduction to the study of butterflies in general is prefixed to the work, and is followed by a brief account of the principal literature of the subject.

Scudder's The Life of a Butterfly. A Chapter in Natural History for the General Reader.

By SAMUEL H. SCUDDER. 186 pp. 16mo. \$1.00.

In this book the author has tried to present in untechnical language the story of the life of one of our most conspicuous American butterflies. At the same time, by introducing into the account of its anatomy, development, distribution, enemies, and seasonal changes some comparisons with the more or less dissimilar structure and life of other butterflies, and particularly of our native forms, he has endeavored to give, in some fashion and in brief space, a general account of the lives of the whole tribe. By using a single butterfly as a special text, one may discourse at pleasure of many; and in the limited field which our native butterflies cover, this method has a certain advantage from its simplicity and directness.

HENRY HOLT & CO., Publishers, NEW YORK.

